BRUHAT BANGALORE MAHANAGARA PALIKE

EXECUTIVE ENGINEER, YELAHANKA DIVISION

Name of Work : Modified Estimate :- Construction of Additional floor to Kenchenahalli Samudhaya Bhavana in Ward No-01.

Workslip

Sl. No.	Description of Item	Unit	As per Tender (BOQ)			Executed	Upto 125%			Above 125%			Total Amount as per actuals	Excess	Savings
			Qty	Rate	Amount	Qty	Qty	Rate	Amount	Qty	Rate	Amount			
1	Demolishing cement concrete manually/ by mechanical means including disposal of material to the appropriate disposal area as per direction of Engineer-in-charge. Loading and Unloading of Stone Boulder/Stone aggregates/Sand/Kankar/Moorum. (Tipper 10 m3) Cost of Haulage Excluding Loading and Unloading Case-1 : Surfaced Road Taking output 10 t load and lead 10 km = 100 t.km	Cum	0.78	2192.82	1702.18	0.78	0.78	2192.82	1702.18		2192.82	0.00	1702.18	0.00	0.00
2	Providing and laying in position Cement Concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M25 Design Mix Using 20 mm nominal size graded crushed	Cum	3.93	13310.81	52351.42	3.11	3.11	13310.81	41330.07	0.00	13310.81	0.00	41330.07		11021.35
3	Providing and laying in position Cement Concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M25 Design Mix Using 20 mm nominal size graded crushed	Cum	8.14	12527.82	102010.15	12.79	10.18	12527.82	127470.57	2.61	12527.82	32733.38	160203.95	58193.79	
4	Providing and laying in position Cement Concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M25 Design Mix Using 20 mm nominal size graded crushed	Cum	17.16	11744.83	201510.28	16.68	16.68	11744.83	195886.15	0.00	11744.83	0.00	195886.15		5624.13

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			Qty	Rate	Amount	Qty	Qty	Rate	Amount	Qty	Rate	Amount			
5	Supplying, fitting and placing TMT FE 550 / 550D Steel Reinforcement including cost of all materials, machinery, labour, cleaning, straightening, cutting, bending, hooking, laping/welding joints, tying with binding wire / soft annealed steel wire and other ancilary operations complete as per drawing and technical specification.	Tonne	5.45	102358.38	558113.20	5.45	5.45	102358.38	557933.33	0.00	102358.38	0.00	557933.33		179.87
6	Providing Brick work with common burnt clay modular bricks of class designation 3.5 in foundation and plinth in Cement mortar 1:6 (1 cement : 6 coarse sand) including cost of all materials, labour, scaffolding and usage charges of machinery & other incidental charges complete as per the direction of engineer incharge of work	Cum	40.74	9910.08	403737.95	32.83	32.83	9910.08	325366.01	0.00	9910.08	0.00	325366.01		78371.94
7	Providing 20 mm cement plaster of mix :1:4 (1 cement: 4 fine sand) to brick/stone masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge.	Sqm	208.66	405.05	84517.33	160.40	160.40	405.05	64971.44	0.00	405.05	0.00	64971.44		19545.89
8	Providing 15 mm cement plaster with cement mortar 1:3 (1 cement:3 coarse sand) finished with a floating coat of neat cement on the rough side of single or half brick wall including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge.	Sqm	153.62	418.78	64332.15	183.14	183.14	418.78	76694.32	0.00	418.78	0.00	76694.32	12362.18	
9	Providing 12 mm cement plaster with cement mortar 1:6 (1 cement:6 fine sand) including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge.	Sqm	90.80	275.76	25039.28	81.95	81.95	275.76	22598.53	0.00	275.76	0.00	22598.53		2440.75
10	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete as per specifications and as per directions of Engineer in charge..	Sqm	453.08	114.42	51841.18	738.30	566.35	114.42	64801.77	171.95	114.42	19674.63	84476.40	32635.22	
11	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface :Water thinnable cement primer to give an even shade after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.	Sqm	208.66	60.64	12653.08	550.16	260.83	60.64	15816.43	289.34	60.64	17545.49	33361.91	20708.83	

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			Qty	Rate	Amount	Qty	Qty	Rate	Amount	Qty	Rate	Amount			
12	Finishing walls with textured exterior paint of required shade :New work (Two coats applied @ 3.28 L/10 m²) over and including priming coat of exterior primer applied @ 2.20kg/10 m² to give an even shade after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.	Sqm	208.66	323.81	67565.87	289.78	260.83	323.81	84457.74	28.95	323.81	9375.43	93833.18	26267.31	
13	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications: Two coats applied on walls @ 1.25 L/10 m² over and including one coat of Special primer applied @ 0.75 L/10 m² with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. (The gloss should be 50% @ 60 degree angle with 10 years life)	Sqm	244.42	180.78	44186.07	509.03	305.53	180.78	55232.81	203.51	180.78	36790.09	92022.90	47836.83	
14	Providing and laying Cement concrete pavement with 1:2:4 for commercial & residential building floors, hardpaths, footpaths using 1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size, including finishing complete as per Engineer incharge.	Sqm	9.08	7627.36	69257.19	13.15	11.35	7627.36	86570.54	1.80	7627.36	13714.76	100285.29	31028.10	
15	Providing and laying flooring and steps fine machine polished granite stone slabs 20 mm thick on cement mortar bed 1:6, 20 mm thick, and joints finished with cement mortar 1:3 over existing cement concrete bed , including cost of materials, mortar, labour, curing complete as per specifications.	Sqm	106.13	6096.39	646991.58	106.54	106.54	6096.39	649497.20	0.00	6096.39	0.00	649497.20	2505.62	
16	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to openings /wooden frames with rawl plugs screws etc.	Kgs	216.00	209.39	45228.24	975.71	270.00	209.39	56535.30	705.71	209.39	147769.14	204304.44	159076.20	
17	Providing & fixing of 3-track x 2-panel sliding windows made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free, gaskets - grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the window frame. The outer frame having an overall size of 108mm width x 45mmheight with reinforcement of 1mm thickness and Sash with overall size of 39mm x 75mm with GI reinforcement of 2mm and mesh sash of size 37mm x 58mm. Coextruded Glazing bead for fixing of glass shall be of size 20mm x 24 mm.	Sqm	4.80	7705.17	36984.82	21.68	6.00	7705.17	46231.02	15.68	7705.17	120836.33	167067.35	130082.53	

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			Qty	Rate	Amount	Qty	Qty	Rate	Amount	Qty	Rate	Amount			
18	Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, usage charges complete as per specifications.	Cum	0.07	157986.88	11375.06	0.12	0.09	157986.88	13823.85	0.03	157986.88	4660.61	18484.46	7109.41	
19	Providing and fixing in position fully panelled Honne wood shutters for doors with stiles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and stiles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, usage charges complete as per specifications. (excluding cost of fixtures)	Sqm	3.15	8517.56	26830.31	3.78	3.78	8517.56	32196.38	0.00	8517.56	0.00	32196.38	5366.06	
20	Painting wood work with Deluxe Multi Surface Paint of required shade. Two coat applied @ 0.90L/10 m^2 over an under coat of primer applied @0.75 L/10 m^2 of approved brand and manufacture to give an even shade including preparing the surface after thorougly cleaning oil, grease, dirt and foreign matter, sand papering and knotting , cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. (KPWD SR 2023-24, V-II, Item No.8.33.2, Page No.46)	Sqm	6.30	157.89	994.71	7.56	7.56	157.89	1193.65	0.00	157.89	0.00	1193.65	198.94	
21	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two coat applied @ 0.90L/10 m^2 over an under coat of primer applied @ 0.80 L/10 m^2 of approved brand and manufacture including preparing the surface after thorougly cleaning oil, grease, dirt and foreign matter, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.	Sqm	6.30	159.04	1001.95	9.24	9.24	159.04	1469.53	0.00	159.04	0.00	1469.53	467.58	
22	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in- charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.) including cost of materials, labour,	Kgs	84.00	646.48	54304.32	131.76	105.00	646.48	67880.40	26.76	646.48	17299.80	85180.20	30875.88	

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23	Providing and laying water proofing treatment to the Roof with PU based single component elastomeric pure polyurethane based coating on New terrace/Chajjas/Sunken portion of WC:Bathroom, cold applied PU wate proofing membrane that is highly elastic with elongation greater than 400% and tensile strength greater than 2MPa as per ASTM D412. The waterproofing membrane to be applied in 2coats @ 1.6 kg/m2 to achieve final DFT (Dry Film Thickness) of 1mm including prime coat of epoxy primer @150 g/m2 and protection with 120gsm Geo-textile over the waterproofing membrane. The finished cost to include surface preparation, making coving at Junction, Bore	Sqm	100.96	934.82	94381.67	91.20	91.20	934.82	85255.58	0.00	934.82	0.00	85255.58		9126.09
24	Providing and laying in position Cement Concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M25 Design Mix Using 20 mm nominal size graded crushed	Cum	2.36	13310.81	31410.85	0.93	0.93	13310.81	12399.02	0.00	13310.81	0.00	12399.02		19011.83
25	Providing and laying in position Cement Concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M25 Design Mix Using 20 mm nominal size graded crushed	Cum	4.21	12527.82	52764.17	0.00	0.00	12527.82	0.00	0.00	12527.82	0.00	0.00		52764.17
26	Providing and laying in position Cement Concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M25 Design Mix Using 20 mm nominal size graded crushed	Cum	8.62	11744.83	101251.24	1.62	1.62	11744.83	19079.48	0.00	11744.83	0.00	19079.48		82171.76

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			Qty	Rate	Amount	Qty	Qty	Rate	Amount	Qty	Rate	Amount			
27	Supplying, fitting and placing TMT FE 550 / 550D Steel Reinforcement including cost of all materials, machinery, labour, cleaning, straightening, cutting, bending, hooking, laping/welding joints, tying with binding wire / soft annealed steel wire and other ancilary operations complete as per drawing and technical specification.	Tonne	2.85	102358.38	292188.26	0.30	0.30	102358.38	30728.76	0.00	102358.38	0.00	30728.76		261459.50
28	Providing Brick work with common burnt clay modular bricks of class designation 3.5 in foundation and plinth in Cement mortar 1:6 (1 cement : 6 coarse sand) including cost of all materials, labour, scaffolding and usage charges of machinery & other incidental charges complete as per the direction of engineer incharge of work	Cum	24.99	9910.08	247661.62	22.96	22.96	9910.08	227536.38	0.00	9910.08	0.00	227536.38		20125.24
29	Providing 20 mm cement plaster of mix :1:4 (1 cement: 4 fine sand) to brick/stone masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge.	Sqm	127.03	405.05	51453.10	132.88	132.88	405.05	53821.42	0.00	405.05	0.00	53821.42	2368.33	
30	Providing 15 mm cement plaster with cement mortar 1:3 (1 cement:3 coarse sand) finished with a floating coat of neat cement on the rough side of single or half brick wall including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge.	Sqm	88.84	418.78	37205.25	74.10	74.10	418.78	31031.60	0.00	418.78	0.00	31031.60		6173.65
31	Providing 12 mm cement plaster with cement mortar 1:6 (1 cement:6 fine sand) including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge.	Sqm	50.56	275.76	13942.15	10.27	10.27	275.76	2831.37	0.00	275.76	0.00	2831.37		11110.78
32	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete as per specifications and as per directions of Engineer in charge..)	Sqm	266.43	114.42	30484.92	217.24	217.24	114.42	24857.00	0.00	114.42	0.00	24857.00		5627.92
33	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface :Water thinnable cement primer to give an even shade after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.	Sqm	127.03	60.64	7703.04	132.88	132.88	60.64	8057.60	0.00	60.64	0.00	8057.60	354.56	

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			Qty	Rate	Amount	Qty	Qty	Rate	Amount	Qty	Rate	Amount			
34	Finishing walls with textured exterior paint of required shade :New work (Two coats applied @ 3.28 L/10 m²) over and including priming coat of exterior primer applied @ 2.20kg/10 m² to give an even shade after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.	Sqm	127.03	323.81	41133.26	132.88	132.88	323.81	43026.58	0.00	323.81	0.00	43026.58	1893.32	
35	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications: Two coats applied on walls @ 1.25 L/10 m² over and including one coat of Special primer applied @ 0.75 L/10 m² with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. (The gloss should be 50% @ 60 degree angle with 10 years life)	Sqm	139.40	180.78	25200.91	84.37	84.37	180.78	15251.96	0.00	180.78	0.00	15251.96		9948.96
36	Providing and laying Cement concrete pavement with 1:2:4 for commercial & residential building floors, hardpaths, footpaths using 1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size, including finishing complete as per Engineer incharge.	Sqm	5.06	7627.36	38563.17	0.56	0.56	7627.36	4303.74	0.00	7627.36	0.00	4303.74		34259.43
37	Providing and laying flooring and steps fine machine polished granite stone slabs 20 mm thick on cement mortar bed 1:6, 20 mm thick, and joints finished with cement mortar 1:3 over existing cement concrete bed , including cost of materials, mortar, labour, curing complete as per specifications.	Sqm	53.47	6096.39	325992.26	50.19	50.19	6096.39	305993.06	0.00	6096.39	0.00	305993.06		19999.21
38	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to openings /wooden frames with rawl plugs screws etc.	Kgs	216.00	209.39	45228.24	270.54	270.54	209.39	56648.37	0.00	209.39	0.00	56648.37	11420.13	
39	Providing & fixing of 3-track x 2-panel sliding windows made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free, gaskets - grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the window frame. The outer frame having an overall size of 108mm width x 45mmheight with reinforcement of 1mm thickness and Sash with overall size of 39mm x 75mm with GI reinforcement of 2mm and mesh sash of size 37mm x 58mm. Coextruded Glazing bead for fixing of glass shall be of size 20mm x 24 mm.	Sqm	4.80	7705.17	36984.82	2.33	2.33	7705.17	17953.05	0.00	7705.17	0.00	17953.05		19031.77

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			Qty	Rate	Amount	Qty	Qty	Rate	Amount	Qty	Rate	Amount			
40	Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, usage charges complete as per specifications.	Cum	0.07	157986.88	10427.13	0.11	0.09	157986.88	13823.85	0.02	157986.88	2764.77	16588.62	6161.49	
41	Providing and fixing in position fully panelled Honne wood shutters for doors with stiles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and stiles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, usage charges complete as per specifications. (excluding cost of fixtures)	Sqm	2.52	8517.56	21464.25	3.15	3.15	8517.56	26830.31	0.00	8517.56	0.00	26830.31	5366.06	
42	Painting wood work with Deluxe Multi Surface Paint of required shade. Two coat applied @ 0.90L/10 m^2 over an under coat of primer applied @0.75 L/10 m^2 of approved brand and manufacture to give an even shade including preparing the surface after thorougly cleaning oil, grease, dirt and foreign matter, sand papering and knotting , cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.	Sqm	5.04	157.89	795.77	6.30	6.30	157.89	994.71	0.00	157.89	0.00	994.71	198.94	
43	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two coat applied @ 0.90L/10 m^2 over an under coat of primer applied @ 0.80 L/10 m^2 of approved brand and manufacture including preparing the surface after thorougly cleaning oil, grease, dirt and foreign matter, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.	Sqm	5.04	159.04	801.56	6.30	6.30	159.04	1001.95	0.00	159.04	0.00	1001.95	200.39	
44	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS: 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	Ltr	1000.00	10.20	10200.00	1000.00	1000.00	10.20	10200.00	0.00	10.20	0.00	10200.00	0.00	0.00
45	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall 25 mm nominal dia Pipes	mtr	80.00	360.26	28820.80	100.00	100.00	360.26	36026.00	0.00	360.26	0.00	36026.00	7205.20	

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46	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall 32 mm nominal dia Pipes	mtr	80.00	453.16	36252.80	100.00	100.00	453.16	45316.00	0.00	453.16	0.00	45316.00	9063.20	
47	Providing and fixing Brass full way valve gate with C.I. wheel of approved quality (screwed end) : 25 mm nominal bore	Nos	2.00	621.96	1243.92	2.00	2.00	621.96	1243.92	0.00	621.96	0.00	1243.92	0.00	0.00
48	Providing and fixing Brass full way valve gate with C.I. wheel of approved quality (screwed end) : 32 mm nominal bore	Nos	2.00	677.47	1354.94	2.00	2.00	677.47	1354.94	0.00	677.47	0.00	1354.94	0.00	0.00
49	Providing and fixing gun metal non- return valve of approved quality (screwed end) : 32 mm nominal bore Vertical	Nos	1.00	1047.92	1047.92	1.00	1.00	1047.92	1047.92	0.00	1047.92	0.00	1047.92	0.00	0.00
50	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes 100 mm diameter	mtr	75.00	329.67	24725.25	75.00	75.00	329.67	24725.25	0.00	329.67	0.00	24725.25	0.00	0.00
51	Supplying heavy gauge PVC conduit pipe ... ... dia confirming to IS 2509 with suitable size benda, junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall stone structure or rawl plugs in case of brick walls and cement plastering damaged portion using heavy gauge saddles at an interval of 700mm using NF screws.	mtr	100.00	83.42	8342.00	100.00	100.00	83.42	8342.00	0.00	83.42	0.00	8342.00	0.00	0.00
52	Supplying ... ... mm dia 2mm/2.5mm thick heavy gauge PVC conduit pipe with suitable size bends, metal/PVC junction boxes adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures. run with 18SWG GI fish wire wherever necessary.	mtr	100.00	80.33	8033.00	100.00	100.00	80.33	8033.00	0.00	80.33	0.00	8033.00	0.00	0.00
53	Groove cutting in the wall supplying ... ..dia 2mm/2.5mm thick heavy gauge PVC Conduit Pipe with bends, metal junction boxes adhesive paste etc., and bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out conduit wherever necessary.	mtr	100.00	81.36	8136.00	100.00	100.00	81.36	8136.00	0.00	81.36	0.00	8136.00	0.00	0.00
54	Supplying and fixing sheet metal box made out of 18 SWG sheet metal with necessary holes for cable/conduit entry as required with one coat of approved make etc.	Each	30.00	143.16	4294.80	30.00	30.00	143.16	4294.80	0.00	143.16	0.00	4294.80	0.00	0.00
55	d)180x90x65mm	Each	30.00	165.81	4974.30	30.00	30.00	165.81	4974.30	0.00	165.81	0.00	4974.30	0.00	0.00
56	e)200x90x65mm	Each	30.00	184.35	5530.50	30.00	30.00	184.35	5530.50	0.00	184.35	0.00	5530.50	0.00	0.00
57	Supplying and fixing PVC/metal conduit accessories.(3/5) b)25mm junction box	Each	20.00	57.67	1153.40	20.00	20.00	57.67	1153.40	0.00	57.67	0.00	1153.40	0.00	0.00
58	c) 32mm deep junction box	Each	20.00	62.82	1256.40	20.00	20.00	62.82	1256.40	0.00	62.82	0.00	1256.40	0.00	0.00

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Sl. No.	Description of Item	Unit	As per Tender (BOQ)			Executed	Upto 125%			Above 125%			Total Amount as per actuals	Excess	Savings
			Qty	Rate	Amount	Qty	Qty	Rate	Amount	Qty	Rate	Amount			
59	Supplying and flush mounting teak wooden box without front plank, made of not less than 12mm thick wood, after due groove cutting, necessary masonry patch work cpmplete. a)12"x"12"x3" (330x300x76mm)	mtr	20.00	123.59	2471.80	20.00	20.00	123.59	2471.80	0.00	123.59	0.00	2471.80	0.00	0.00
60	b)12"x9"x3" (300x228x76)	mtr	20.00	118.44	2368.80	20.00	20.00	118.44	2368.80	0.00	118.44	0.00	2368.80	0.00	0.00
61	Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 2x1.5Sqmm (Phase & Neutral) & 1x1.0sqmm (Earthwire) FRLS multistrand copper PVC insulated multi strand copper wire with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. compelete for each outlet. Short point upto 3Mtr from tapping point to out let via switch	Point	10.00	293.52	2935.20	10.00	10.00	293.52	2935.20	0.00	293.52	0.00	2935.20	0.00	0.00
62	Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 2x1.5Sqmm (Phase & Neutral) & 1x1.0sqmm (Earthwire) FRLS multistrand copper PVC insulated multi strand copper wire with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. compelete for each outlet. b) Medium point above 3Mtr up to 6Mtr from tapping point to out let via switch (Each point)	Point	10.00	405.78	4057.80	10.00	10.00	405.78	4057.80	0.00	405.78	0.00	4057.80	0.00	0.00
63	Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 2x1.5Sqmm (Phase & Neutral) & 1x1.0sqmm (Earthwire) FRLS multistrand copper PVC insulated multi strand copper wire copper PVC insulated multi strand 2x1.5Sqmm copper wire (confirming to IS-694:and latest amendments) without switch, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. a) Short point up to 3Mtr from tapping point to out let via switch box	Point	10.00	277.04	2770.40	10.00	10.00	277.04	2770.40	0.00	277.04	0.00	2770.40	0.00	0.00
64	Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 2x1.5Sqmm (Phase & Neutral) & 1x1.0sqmm (Earthwire) FRLS multistrand copper PVC insulated multi strand copper wire copper PVC insulated multi strand 2x1.5Sqmm copper wire (confirming to IS-694:and latest amendments) without switch, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. b) Medium point above 3Mtr up to 6Mtr from tapping point to out let via switch box	Point	10.00	390.33	3903.30	10.00	10.00	390.33	3903.30	0.00	390.33	0.00	3903.30	0.00	0.00
65	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. e) 6Moudule	Point	35.00	241.00	8435.00	35.00	35.00	241.00	8435.00	0.00	241.00	0.00	8435.00	0.00	0.00

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Sl. No.	Description of Item	Unit	As per Tender (BOQ)			Executed	Upto 125%			Above 125%			Total Amount as per actuals	Excess	Savings
			Qty	Rate	Amount	Qty	Qty	Rate	Amount	Qty	Rate	Amount			
66	Supplying and fixing of modular switch & connected accessories on existing modular switch plate.	Each	25.00	105.05	2626.25	25.00	25.00	105.05	2626.25	0.00	105.05	0.00	2626.25	0.00	0.00
67	Stepped Fan Regulator Two Module	Each	8.00	367.67	2941.36	8.00	8.00	367.67	2941.36	0.00	367.67	0.00	2941.36	0.00	0.00
68	16A One Way Switch	Each	4.00	185.38	741.52	4.00	4.00	185.38	741.52	0.00	185.38	0.00	741.52	0.00	0.00
69	32A DP Switch	Each	2.00	335.75	671.50	2.00	2.00	335.75	671.50	0.00	335.75	0.00	671.50	0.00	0.00
70	6/16A Universal Socket	Each	10.00	243.06	2430.60	10.00	10.00	243.06	2430.60	0.00	243.06	0.00	2430.60	0.00	0.00
71	Supplying and fixing 32Amps security and energy saving DP switch with key tag suitable to operate on 230 Volts, 50Hz AC supply &completely wired on existing box	Each	5.00	665.32	3326.60	5.00	5.00	665.32	3326.60	0.00	665.32	0.00	3326.60	0.00	0.00
72	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments. a. 1 sqmm.	mtr	150.00	19.57	2935.50	150.00	150.00	19.57	2935.50	0.00	19.57	0.00	2935.50	0.00	0.00
73	1.5Sqmm	mtr	150.00	26.78	4017.00	150.00	150.00	26.78	4017.00	0.00	26.78	0.00	4017.00	0.00	0.00
74	6Sqmm	mtr	75.00	94.75	7106.25	75.00	75.00	94.75	7106.25	0.00	94.75	0.00	7106.25	0.00	0.00
75	10Sqmm	mtr	30.00	171.99	5159.70	30.00	30.00	171.99	5159.70	0.00	171.99	0.00	5159.70	0.00	0.00
76	16Sqmm	mtr	50.00	327.51	16375.50	50.00	50.00	327.51	16375.50	0.00	327.51	0.00	16375.50	0.00	0.00
77	Supplying and fixing of PVC casing and capping on the wall or ceilng using necessary materials like bends, screws at an interval of 300mm .... Etc as required. a) 20mm	mtr	100.00	28.84	2884.00	100.00	100.00	28.84	2884.00	0.00	28.84	0.00	2884.00	0.00	0.00
78	Supplying PVC/GI flexible conduit pip 20mm dia fixing on surface over inverted wooden plugs or phill plugs or rawl plugs and clamped using heavy gauge saddles at an interval of 300mm using NF screws and either end of the pipe terminated completely. 20mm	mtr	100.00	19.57	1957.00	100.00	100.00	19.57	1957.00	0.00	19.57	0.00	1957.00	0.00	0.00
79	Extra for supplying 4mm thick white plastic plate and covering for junction boxes of size 110mm conduit using necessary machine screws. b) 110mm	Nos	15.00	21.63	324.45	15.00	15.00	21.63	324.45	0.00	21.63	0.00	324.45	0.00	0.00
80	Supplying a 50mm wooden plug, tapered from 50x50mm to 25x25mm and fixing by using binding wire before concreting a roof slap.	Nos	20.00	12.36	247.20	20.00	20.00	12.36	247.20	0.00	12.36	0.00	247.20	0.00	0.00
81	Supplying of 1 x 4' feet -PVC Batten with integrated LED tube - 20/22 W with high quality diffuser with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V@ 50/60Hz & Power factor >0.9 along with CE approved. 2 years Warranty against any manufacturing defect working under standard electrical condition	Nos	30.00	710.63	21318.90	30.00	30.00	710.63	21318.90	0.00	710.63	0.00	21318.90	0.00	0.00

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			Qty	Rate	Amount	Qty	Qty	Rate	Amount	Qty	Rate	Amount			
82	Supply of round/square recess/surface mounted rolling type LED Down light with ..... W GU 10 LED Lamp Rib Fabricated from diecast aluminium with white powder coated prewired to mains connector & has swivelling unit of aluminium die cast eye ball & LED Lamp position retained by circular wire spring, with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V @50/60Hz & Power factor >0.9 along with CE approved. 2years Warranty against any manufacturing defect working under standard electrical condition LED square or round down light 10-12W	Nos	20.00	911.46	18229.20	20.00	20.00	911.46	18229.20	0.00	911.46	0.00	18229.20	0.00	0.00
83	Supplying of Ceiling Fan with Capacitor rating As per guideline of BEE 5 star rating and IS:374/79 and also comply with IS: 1709/1984 with latest amendment, Rated voltage 220 V/50 Hz, Rated power input 48 W +/- 10 %, Rated current As per IS:374/79, Rated power factor 0.9 lagging(min), Rated speed 350 +/- 10% RPM, Rated air delivery 210 +/- 10% Cubic Meter Minimum, Rated service value 4.2 CMM / W, Three Blades of blade leaf 1.05 mm thick Aluminium Alloy sheet, Class B motor insulation, Bearing Two ball bearings, Top 6202, Bottom 6201, as per IS specification, Motor winding. Temp rise Shall not exceed 75 deg C over and ambient of 40 0C by resistance method at 245 V,	Each	10.00	2757.04	27570.40	10.00	10.00	2757.04	27570.40	0.00	2757.04	0.00	27570.40	0.00	0.00
									3880524.64			423164.43			
												Sub Total :-	4303689.07	608946.10	667994.24
	TOTAL											Gst Charges 18% :-	774664.03		
	GST CHARGES 18%											Grand Total :-	5078353.10		
	GRAND TOTAL														

Percentage of excess comparing to the sanctioned Estimated cost = 608946.10 / 4362715.00 x 100 = 13.96%

Assistant Engineer
BBMP-Bangalore

Assistant Executive Engineer
BBMP-Bangalore

Executive Engineer
BBMP-Bangalore

Asst. Executive Engineer
Yelahanka Sub. Divison

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಯಲಹಂಕ ವಿಭಾಗ

ಮುಖ್ಯ ಅಭಿಯಂತರರ
ಯಲಹಂಕ ವಲಯ
ಬೆಂಗಳೂರು ಮಹಾನಗ

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